على فواله

## **ABSTRACT**

A porous aluminum fluoride on which SbCl<sub>x</sub>F<sub>5-x</sub> (wherein x represents a numeral of 0 to 5) is supported, SbCl<sub>x</sub>F<sub>5-x</sub> being obtainable by supporting SbCl<sub>5</sub> or the like on a porous aluminum fluoride and treating it with hydrogen fluoride. The resulting porous aluminum fluoride has a high activity as a fluorinating agent, a fluorination catalyst, or the like, is easy to handle, can be used for a flow-type reaction, and also can be used even at a high temperature.